

Python: module vcs.textorientation

vcs.textorientation

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Text Orientation (To) module

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Classes

To

class **To**

Class: To # Text Orientation

Description of To Class:

The (To) Text Orientation lists text attribute set names that define expansion, and color index.

This class is used to define an text orientation table entry used to can be used to change some or all of the text orientation attributes of existing text orientation table entry.

Other Useful Functions:

a=vcs.init()	# Constructor
a.show('textorientation')	# Show predefined text orientation
a.update()	# Updates the VCS Canvas automatically.
a.mode=1, or 0	# If 1, then automatic update is off, if 0, then use update function to update the VCS Canvas.

Example of Use:

a=vcs.init()

To Create a new instance of text orientation use:

to=a.createtextorientation('new','7left') # Copies content of 'new'
to=a.createtextorientation('new') # Copies content of 'default'

To Modify an existing textorientation use:

to=a.gettextorientation('7left')

to.list()

Will list all the textorientations

```

Specify the text height:
    to.height=20                                # The height value must be a

Specify the text angle:
    to.angle=0                                  # The angle value must be in

Specify the text path:
    to.path='right'                            # Same as to.path=0
    to.path='left'                             # Same as to.path=1
    to.path='up'                               # Same as to.path=2
    to.path='down'                            # Same as to.path=3

Specify the text horizontal alignment:
    to.halign='right'                          # Same as to.halign=0
    to.halign='center'                         # Same as to.halign=1
    to.halign='right'                          # Same as to.halign=2

Specify the text vertical alignment:
    to.valign='top'                           # Same as tovalign=0
    to.valign='cap'                           # Same as tovalign=1
    to.valign='half'                           # Same as tovalign=2
    to.valign='base'                           # Same as tovalign=3
    to.valign='bottom'                         # Same as tovalign=4

```

Methods defined here:

```

__init__(self, parent, To_name=None, To_name_src='default', createTo=0)
    ######
    #
    # Initialize the text orientation attributes.
    #
    #####
__setattr__(self, name, value)
    #####
    #
    # Set text orientation attributes.
    #
    #####
list(self)
    #####
    #
    # List out text orientation members (attributes).
    #
    #####
script(self, script_filename=None, mode=None)
    Function:      script                      # Calls _vcs.s

```

Description of Function:

Saves out a text orientation graphics method in Python to a designated file.

Example of Use:

```
script(scriptfile_name, mode)
```

where: scriptfile_name is the output name of the
mode is either "w" for replace or "a" for

Note: If the filename has a ".py" at the end of the Python script. If the filename has a ".scr" produce a VCS script. If neither extension is present default a Python script will be produced.

```
a=vcs.init()  
to=a.createtextorientation('temp')  
to.script('filename.py')           # Append to a Python file  
to.script('filename.scr')         # Append to a VCS file "filename.scr"  
to.script('filename','w')          # Create or overwrite to
```

Functions

```
getTomember(self, member)
```

```
#####
#  
# Function:      getTomember  
#  
# Description of Function:  
#      Private function that retrieves the text orientation member  
#      structure and passes it back to Python.  
#  
#  
# Example of Use:  
#      return_value =  
#      getTomember(self, name)  
#              where: self is the class (e.g., To)  
#                      name is the name of the member that is being  
#  
#####
```

```
renameTo(self, old_name, new_name)
```

```
#####
#  
# Function:      renameTo  
#  
# Description of Function:  
#      Private function that renames the name of an existing text  
#      graphics method.  
#  
#  
# Example of Use:
```

```
#      renameTo(old_name, new_name)
#          where: old_name is the current name of text orientation gra
#                  new_name is the new name for the text orientation gr
#
#####
#setTomeber(self, member, value)
#####
#
# Function:      setTomeber
#
# Description of Function:
#     Private function to update the VCS canvas plot. If the can
#     set to 0, then this function does nothing.
#
#
# Example of Use:
#     setTomeber(self, name, value)
#             where: self is the class (e.g., To)
#                     name is the name of the member that is being
#                     value is the new value of the member (or att
#
#####
#####
```

Data

StringTypes = (<type 'str'>, <type 'unicode'>)